djMan 5

User Manual

for Documentum Content Server

fme

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0. System Requirements

Operation System: All current Windows platforms

Please make sure that you are granted **local administration permissions** to install djMan **on Windows 7** or **Windows Server 2008**.

Documentum 4i and 5	Documentum Client dmcl40.dll
Documentum 6	Documentum Client dmcl40.dll or Documentum DFC 6.x and Documentum dmcl.dll

1. Preface

djMan is an integrated tool for fast and effective Documentum job administration.

This manual contains information and instructions for using djMan 5. Readers are expected to be familiar with Documentum technologies, especially content server administration.
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djMan is delivered without any further support, as described in the license agreement. Nevertheless we are looking forward to your feedback. Please send any feedback, questions, feature requests or bug reports to dqman@fme.de.

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1.2. Supported Documentum clients

djMan supports two Documentum clients:

dmcl40.dll is a native dmcl client. It can be used for Documentum 4 and 5 content servers. As Documentum 6 is fully compatible to clients of the edition 5, it can be used for Documentum 6 as well.

Please make sure that the dmcl40.dll from any Documentum 5 Edition is installed and reachable by the system path.

Connecting to Documentum using dmcl40.dll will bypass installed TBOs.

dmcl.dll is a dmcl emulator installed with Documentum 6, translating API commands to dfc. Therefore, a valid Documentum DFC 6.x must be installed. The dmcl.dll must be reachable by the system path.

Connecting to Documentum using dmcl.dll with dfc will trigger TBOs the same way as normal dfc commands do.

On start-up djMan searches at first for a dmcl.dll. If it is found and can be initialized, djMan will use it as Documentum client. Otherwise, djMan will search for a dmcl40.dll. If no valid client can be found, an error message is displayed.

The start-up order can be modified by passing the parameter –ForceDMCL to the djMan.exe. In this case, djMan looks for a dmcl40.dll first. This parameter will be passed to other dqMan Suite applications like dqMan or daMan, if started from the djMan toolbar.

Example:

djMan –ForceDMCL

1.3. License Level

There are two license levels available for djMan, the Standard Version and the XTended Version. These levels differ in functionality. Functions that are only available in the Xtended Version are marked with a red bar at the left border.

This function is only available in the Xtended Version.

1.4. New Features in Release 4

1.4.1. All Versions

dm_agent_exec Settings	Change of agent_exec settings (now available in standard edition)
Filter Tab	selection is saved permanently

1.4.2. XTended Version

Report Browser	"Word Wrap" flag ist saved permanently

1.5. Installing djMan on a removable media

djMan can be used from a removable medium, like a USB device.

To install djMan on a removable medium, you can either install it directly using the dqMan Installer, or simply copy the entire dqMan program directory (default is c:\program files\dqMan). In any case, the installer will register a few file types for the dqMan applications, like API or DQL. djMan itself makes no use of the windows registry.

To create a fully usable copy of djMan, also copy the dmcl40.dll and the dmcl.ini file to the dqMan program directory on the removable medium. This will let you execute djMan on any pc, without having a Documentum client installed on it.

2. Sessions

djMan can establish one session to each available repository. To log in as a different user, existing sessions must be terminated first. All available repositories are displayed at the top level of the navigation tree.

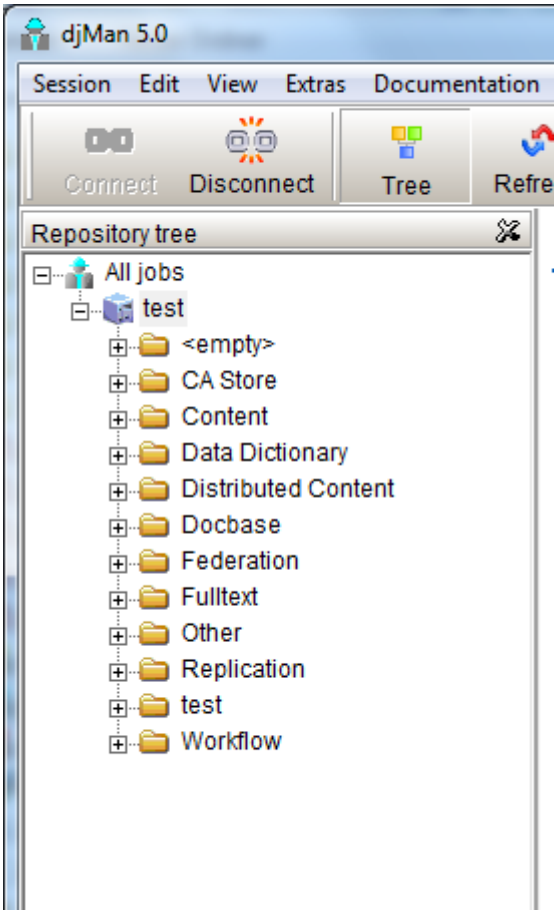


Figure 1 – Navigation Tree

2.1. Login

To open a session, the repository must be selected in the navigation tree. Either calling the function *Connect* from the toolbar, from the context menu or from the *Session* menu or simply expanding the repository tree node will open the login dialog.

2.2. Logout

A session can be terminated by calling the function *Disconnnect* from the toolbar, from the *Session* menu or from the context menu of the navigation tree.

If the root node of the navigation tree is selected, all active sessions will be terminated. Otherwise one session is terminated depending on the selected node in the navigation tree.

If the option *Autoconnect on tree expansion* was activated in the options dialog, a session will be automatically terminated, if a repository node of the navigation tree is collapsed.

3. Main Window

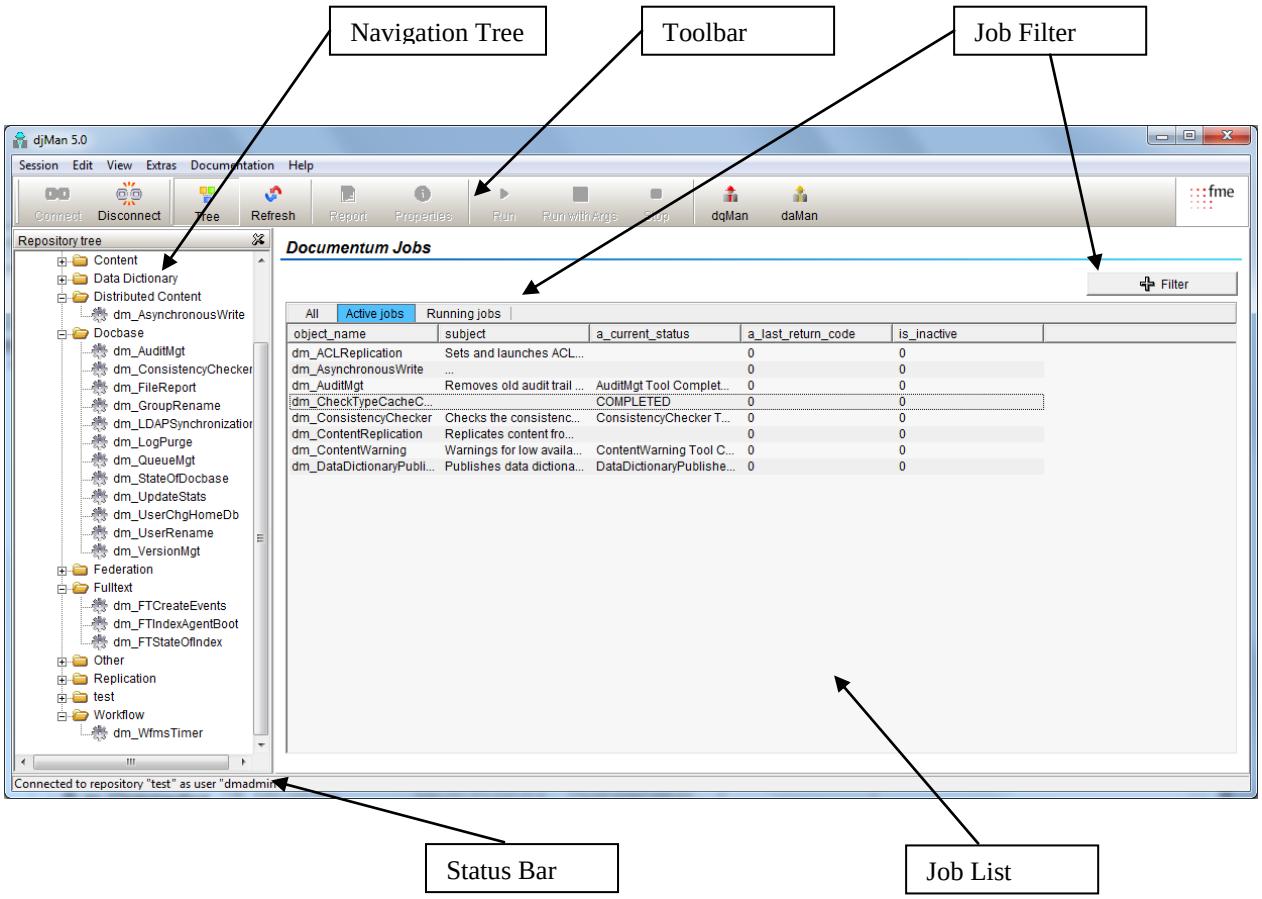


Figure 2 – Main Window

(I) Job List

The Documentum jobs are displayed in the job list. Jobs can be colored differently according to their attributes, e.g. active /inactive jobs. This function is available in the options dialog.

The job list can be sorted by clicking on a column header.

The displayed jobs are subject to the selected node in the navigation tree and the filter settings.

(II) Navigation Tree

Selecting a node in the navigation tree influences the displayed jobs in the job list. If a repository is selected, all jobs of this repository are displayed. If the root node (All jobs) is selected, the jobs of all repositories with a valid session are shown.

The navigation tree can be hidden. In this case, the last selection stays active and governs the contents of the job list.

(III) Filter

Filter settings additionally influence the contents of the job list.

(IV) Toolbar

A bar with buttons for often used functions.

(V) Status bar

Displays additional information.

3.1. Filter Management

Available filters are displayed as tabs on top of the job list. Selecting a tab activates the corresponding filter.

Individual filters can be entered by clicking on the *Filter* button. Possible settings are:

Name: One or more initial characters of job names. Multiple search expressions can be separated by a semicolon, e.g. `"dm_DM;dm_audit".`

Status: All, active or inactive jobs.

Run: All, running, dormant or started jobs.

Result: All, successfully executed or faulty jobs.

Schedule: Jobs that are about to be executed, that have just finished or that are overdue.

Predicate: A DQL predicate, that is the "where" part of a query without the WHERE expression, e.g.
`object_name like 'dm%' or subject like '%Execute%'`

Clear: Clears all filter settings.

The filter settings can be combined in any way.

The individual filter will be added as a tab with the label "Current Filter" to the filter tabs and will be available for all repositories until djMan is terminated.

To save an individual filter or make any other changes to existing filters, open the filter management tool from the *Extras* menu.

3.2. Automatic Refresh

The job list can be refreshed automatically. This feature can be configured in the *Options* dialog.

3.3. Additional Information

A hint displays additional information for single jobs, if the mouse cursor is moved onto the corresponding entry in the job list.

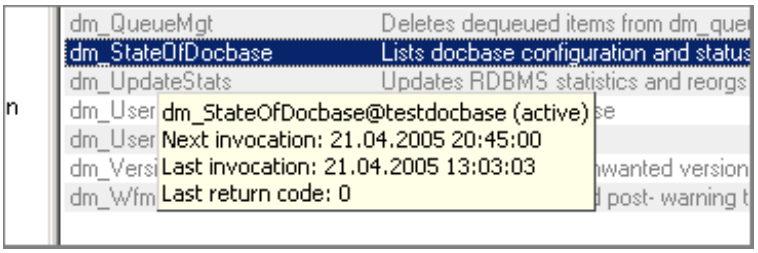


Figure 3 – Additonal Information

4. Functions

4.1. Job Control

Jobs can be controlled by the functions from the toolbar, the context menu of the job list or the *Edit* menu.

4.1.1. Run a Job

Selected Jobs can be started by calling the function Run. The selected jobs are started together.

4.1.2. Run with Arguments

Starting a job with arguments opens a dialog first that allows altering existing arguments. If more than one job is selected in the job list, this function is disabled.

Changed arguments can be reset to the original values after the job is completed, if the option *Restore method arguments after run* is activated.

If djMan is closed or the session is terminated before the next job run is completed, the changed arguments cannot be restored any more. In this case a warning will be displayed.

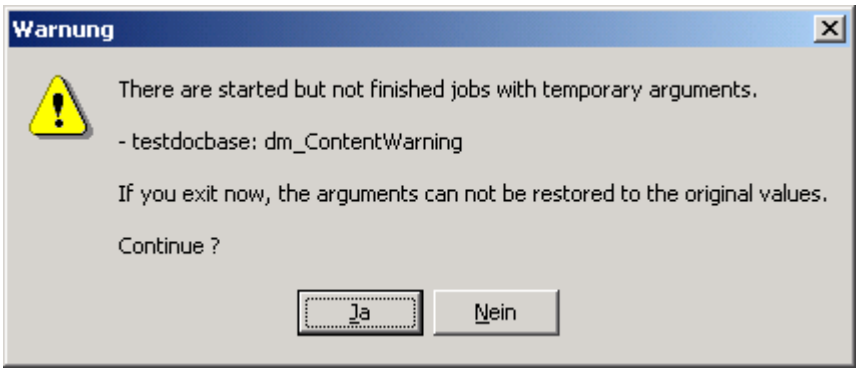

Warnung
There are started but not finished jobs with temporary arguments.
- testdocbase: dm_ContentWarning
If you exit now, the arguments can not be restored to the original values.
Continue ?
Ja
Nein

Figure 4 – Warning Message

4.1.3. Stop a Job

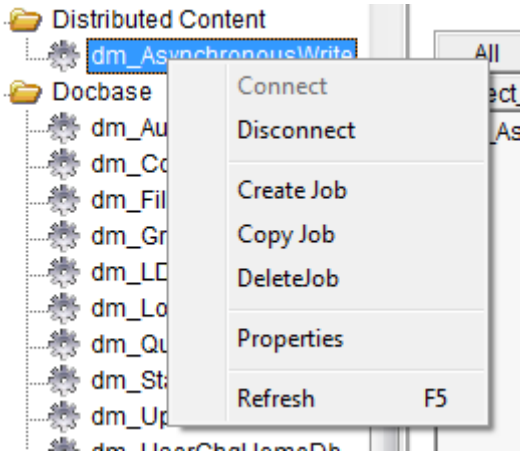
If a job is started manually, it can take several minutes until the job is executed by the content server. A started job can be stopped during this time.

If the job was started using the function *Run with Arguments*, the original arguments will be restored immediately.

4.2. Job Management

4.2.1. Create a Job

This function is available from the context menu of the job list or from the navigation tree.

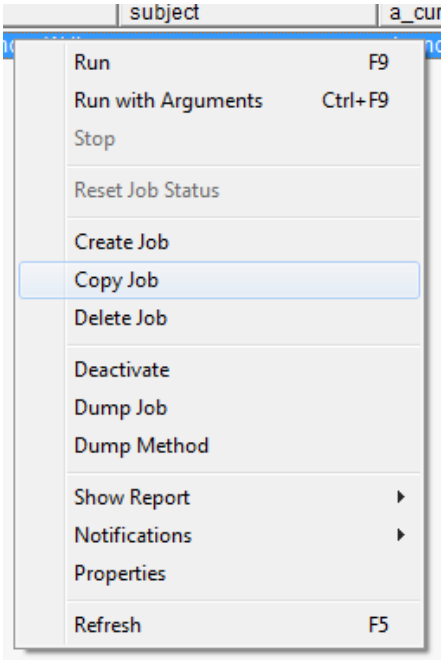


If the function is called from the job list, a submenu is displayed in which the target repository can be selected. If it is called from the navigation tree, the job will be created in the selected repository.

The properties dialog will be opened in which all necessary attributes can be set. New jobs will always be deactivated to prevent an unwanted automatic execution.

4.2.2. Copy a Job

Jobs can be copied within a repository or between two different repositories. The function is available from the context menu of the job list or from the navigation tree.



The target repository can be selected from the submenu, if more than one repository is available

The properties dialog will be opened in which all necessary attributes can be set. The attributes of the source job are copied to the properties dialog.

If the job method object is not available in the target repository, it can be copied as well. BUT: the source files of the job will **not** be copied. If necessary, these files must be copied manually.

Copied jobs will always be deactivated to prevent an unwanted automatic execution.

4.2.3. Delete a Job

The delete job function is available from the context menu of the job list or the navigation tree. With execution the selected dm_job object will be removed.

4.2.4. Dump dm_job Object

The dm_job object can be dumped using the *Dump Job* function from the context menu of the job list.

The dump will be opened in an external text editor or viewer.

4.2.5. Dump dm_method Object

The dm_method object of a job can be dumped using the *Dump Method* function from the context menu of the job list.

The dump will be opened in an external text editor or viewer.

4.2.6. Reset Job Status

This function clears all attributes of the dm_job object that indicate that the job is running. Sometimes jobs are no longer linked to a running process but the status is not cleared automatically which can be cleaned up by executing this function.

4.3. Job Attributes

4.3.1. Activate / Deactivate

One or more selected jobs from the job list can be activated / deactivated by calling the Activate / Deactivate function from the job list context menu or from the *Edit* menu.

4.3.2. Job Properties

The job properties can be edited in a properties dialog which is available from the job list context menu or from the *Edit* menu.

The button *Save & Run* saves all changes and starts the job for immediate execution.

4.3.3. Method Properties

The properties of the dm_method object can be opened and edited from the job properties dialog, clicking in the button beside the method name field.

4.4. Reports

The last job report can be opened using the *Report* button of the toolbar. If no report is available, the button is disabled.

Older versions of job reports are available from the context menu of the job list. Up to 20 older versions are displayed in the submenu.

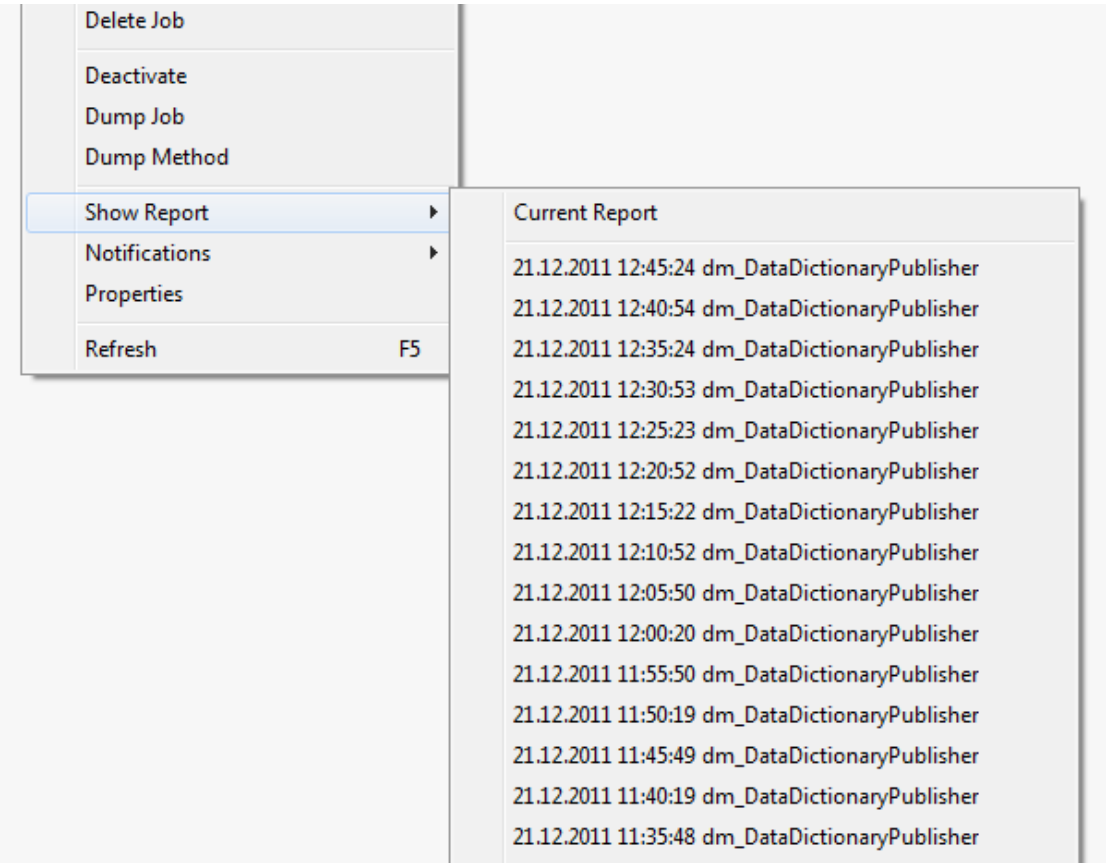


Figure 5 - Job Reports

Reports will be opened in an external viewer, depending on the file type.

The Content Type Auto Detection will detect HTML reports and redirect it to a local browser for viewing.

In the XTended version, the *Report* button in the toolbar or the item All Reports from the context menu will open the report browser. It shows all available reports of the selected job on the left hand side. Selecting one of them will open the report in a preview window.

By using functions from the report list context menu, reports can be opened in an external application, can be deleted or the list can be truncated.

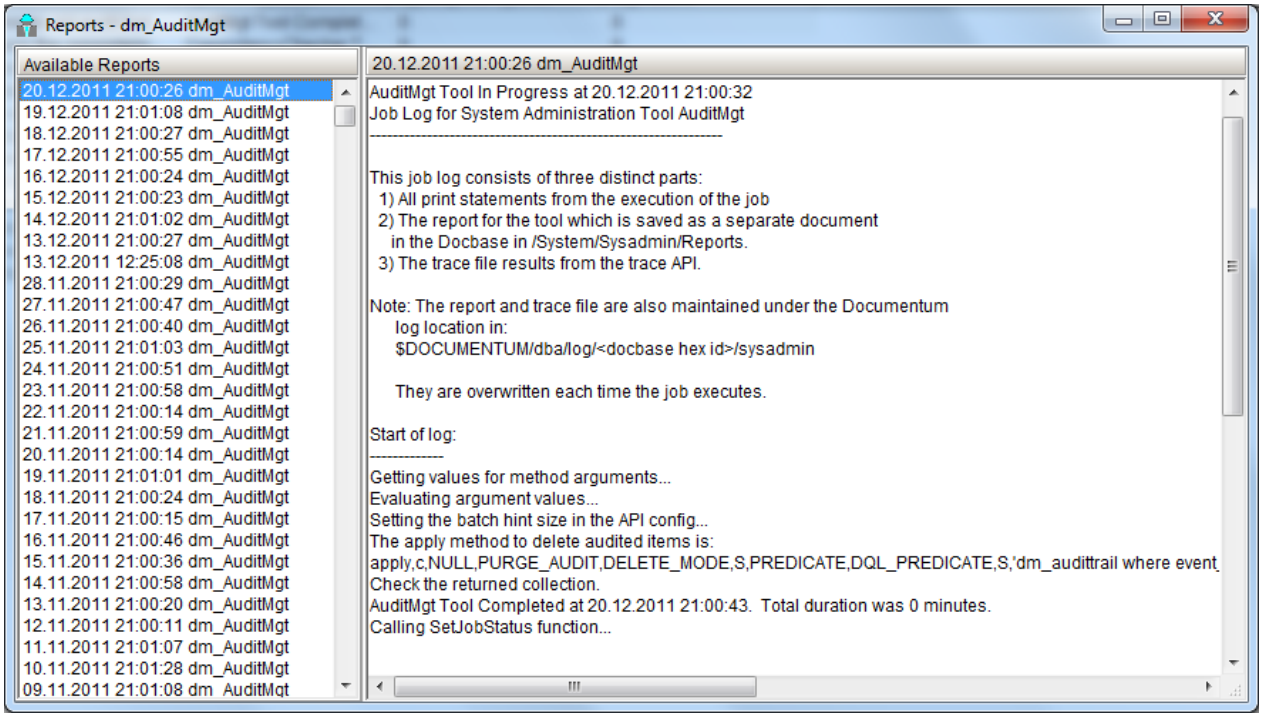

Reports - dm_AuditMgt
Available Reports
20.12.2011 21:00:26 dm_AuditMgt
19.12.2011 21:01:08 dm_AuditMgt
18.12.2011 21:00:27 dm_AuditMgt
17.12.2011 21:00:55 dm_AuditMgt
16.12.2011 21:00:24 dm_AuditMgt
15.12.2011 21:00:23 dm_AuditMgt
14.12.2011 21:01:02 dm_AuditMgt
13.12.2011 21:00:27 dm_AuditMgt
13.12.2011 12:25:08 dm_AuditMgt
28.11.2011 21:00:29 dm_AuditMgt
27.11.2011 21:00:47 dm_AuditMgt
26.11.2011 21:00:40 dm_AuditMgt
25.11.2011 21:01:03 dm_AuditMgt
24.11.2011 21:00:51 dm_AuditMgt
23.11.2011 21:00:58 dm_AuditMgt
22.11.2011 21:00:14 dm_AuditMgt
21.11.2011 21:00:59 dm_AuditMgt
20.11.2011 21:00:14 dm_AuditMgt
19.11.2011 21:01:01 dm_AuditMgt
18.11.2011 21:00:24 dm_AuditMgt
17.11.2011 21:00:15 dm_AuditMgt
16.11.2011 21:00:46 dm_AuditMgt
15.11.2011 21:00:36 dm_AuditMgt
14.11.2011 21:00:58 dm_AuditMgt
13.11.2011 21:00:20 dm_AuditMgt
12.11.2011 21:00:11 dm_AuditMgt
11.11.2011 21:01:07 dm_AuditMgt
10.11.2011 21:01:28 dm_AuditMgt
09.11.2011 21:01:08 dm_AuditMgt
20.12.2011 21:00:26 dm_AuditMgt
AuditMgt Tool In Progress at 20.12.2011 21:00:32
Job Log for System Administration Tool AuditMgt
This job log consists of three distinct parts:
1) All print statements from the execution of the job
2) The report for the tool which is saved as a separate document
in the Docbase in /System/Sysadmin/Reports.
3) The trace file results from the trace API.
Note: The report and trace file are also maintained under the Documentum
log location in:
$DOCUMENTUM/dba/log/<docbase hex id>/sysadmin
They are overwritten each time the job executes.
Start of log:
Getting values for method arguments...
Evaluating argument values...
Setting the batch hint size in the API config...
The apply method to delete audited items is:
apply,c,NULL,PURGE_AUDIT,DELETE_MODE,S,PREDICATE,DQL_PREDICATE,S,'dm_audittrail where event
Check the returned collection.
AuditMgt Tool Completed at 20.12.2011 21:00:43. Total duration was 0 minutes.
Calling SetJobStatus function...

Figure 6 – Report Browser

4.5. Notifications

Notifications can be generated for special events. They can be activated or deactivated for all selected jobs from the job list context menu.

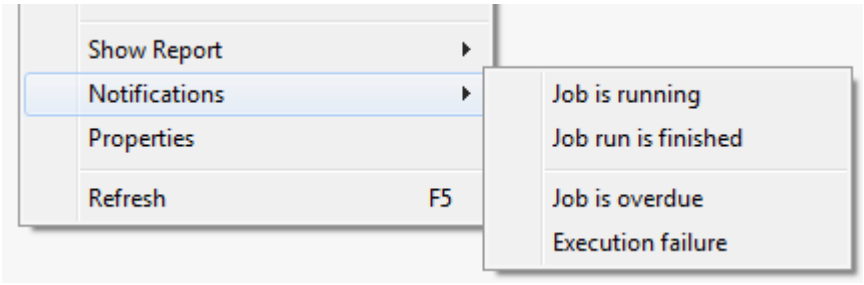


Figure 7 - Notifications

Job is running: A notification is generated if a job is started.

Job is finished: A notification is generated if a job is completed.

Job is overdue: A notification is generated if a job is overdue.

Execution failure: A notification is generated if the job execution failed.

A notification is displayed as message window on the screen.

Close closes the window, *Stop* disables this notification for the job. The button *View job report* can be used to directly open the current job report. The button will be automatically enabled, as soon as the report is available.

Notifications can also be sent to an email account.

The target email account and other notification settings can be done in the *Options* dialog.

4.6. Agent Exec Settings

The agent_exec process offers some parameters to influence job execution. These can be modified by calling the function Agent Exec Settings from the *Session* Menu.

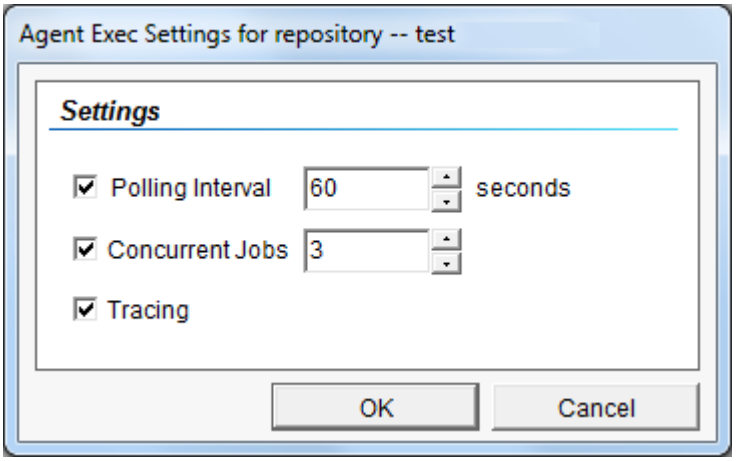


Figure 8 – Agent Exec Settings

Changes will not take effect before the agent exec process is restarted on the Content Server.

5. Options

The Options are the central tool, in order to adapt the features and functionalities of djMan. They are available from the *Extras* menu. The window shows a tree structure on the left side to navigate the different categories.

5.1. General

The General category has three subsections:

:

5.1.1. View

Show toolbar:	Displays the toolbar.
Show job info hints:	Displays additional job information as hint.
Report Viewer:	A viewer application for job reports and dumps. If no viewer is entered, the windows default application for text files will be used.

5.1.2. Login

Save login info:	Saves the login information entered, either with or without password. If the option *always show next unused login* is activated, the login dialog will be initialized with the last used login data from the login history, depending on the available repositories.
Edit History:	Edit the saved logins in the login history.
Open session at start-up:	Automatically opens a login dialog at start-up.
Autoconnect on tree expansion:	If logins are saved with passwords, this option is available. Sessions are automatically created and terminated using the logins from the history, if repository nodes of the navigation tree are expanded or collapsed.
Use full qualified repository names:	Uses fully qualified repository names for repository identification with the format: `repository.content_server_name@host_name`
Order login history by	Sorts the displayed order of saved logins in the login history of the login dialog.

5.1.3. Auto Refresh

This function refreshes the displayed jobs and their properties in the job list. The refresh interval is freely selectable:

Off:	No auto refresh,
Slow:	Refresh every 3 minutes.
Medium:	Refresh every minute.
Fast:	Refresh every 15 seconds.
Custom:	Free value in seconds, the minimum allowed refresh interval is 5 seconds.

To reduce server activities, the auto refresh function can be disabled after a certain time of user inactivity.

5.2. Result List Columns

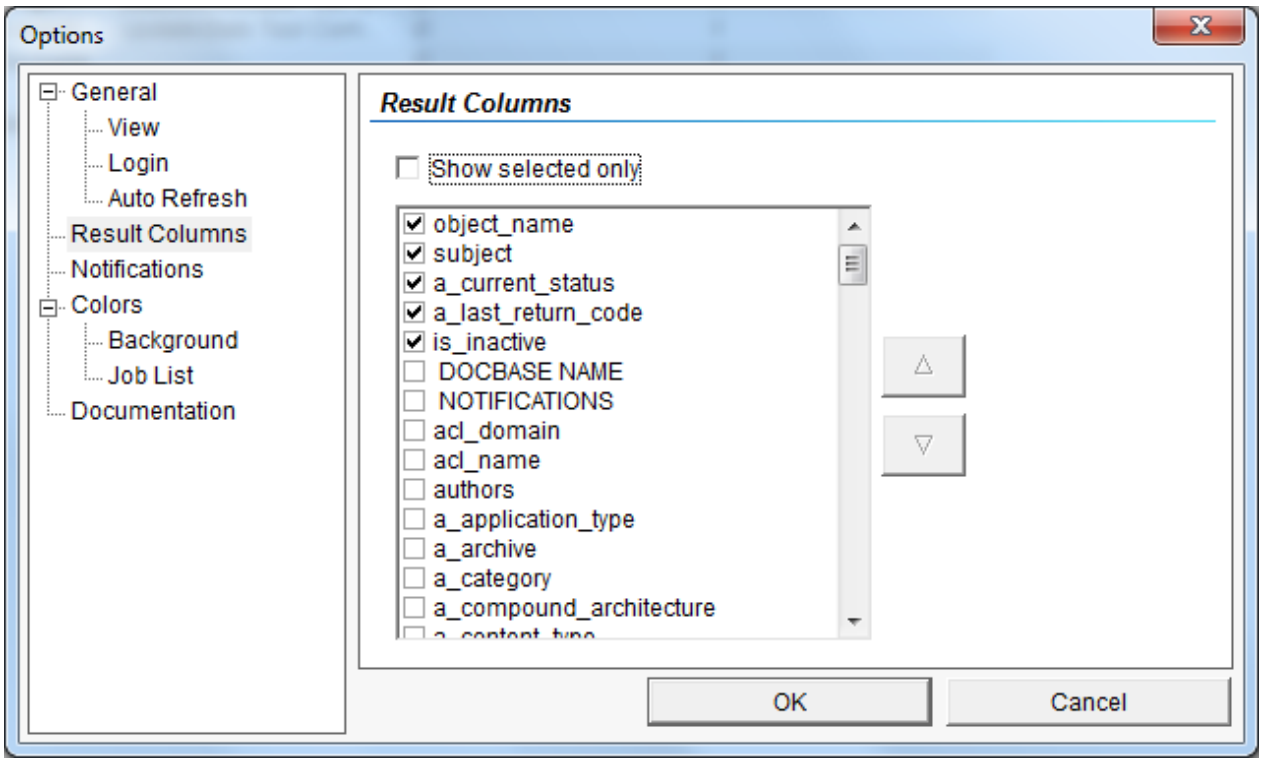


Figure 9 – Result List Columns

The columns of the job list can be selected from all available dm_job attributes.

Additionally, the column DOCBASE is available that shows the home repository of the job, and the column NOTIFICATIONS that shows the job notification settings.

The columns can be sorted using the arrow buttons.

5.3. Notifications

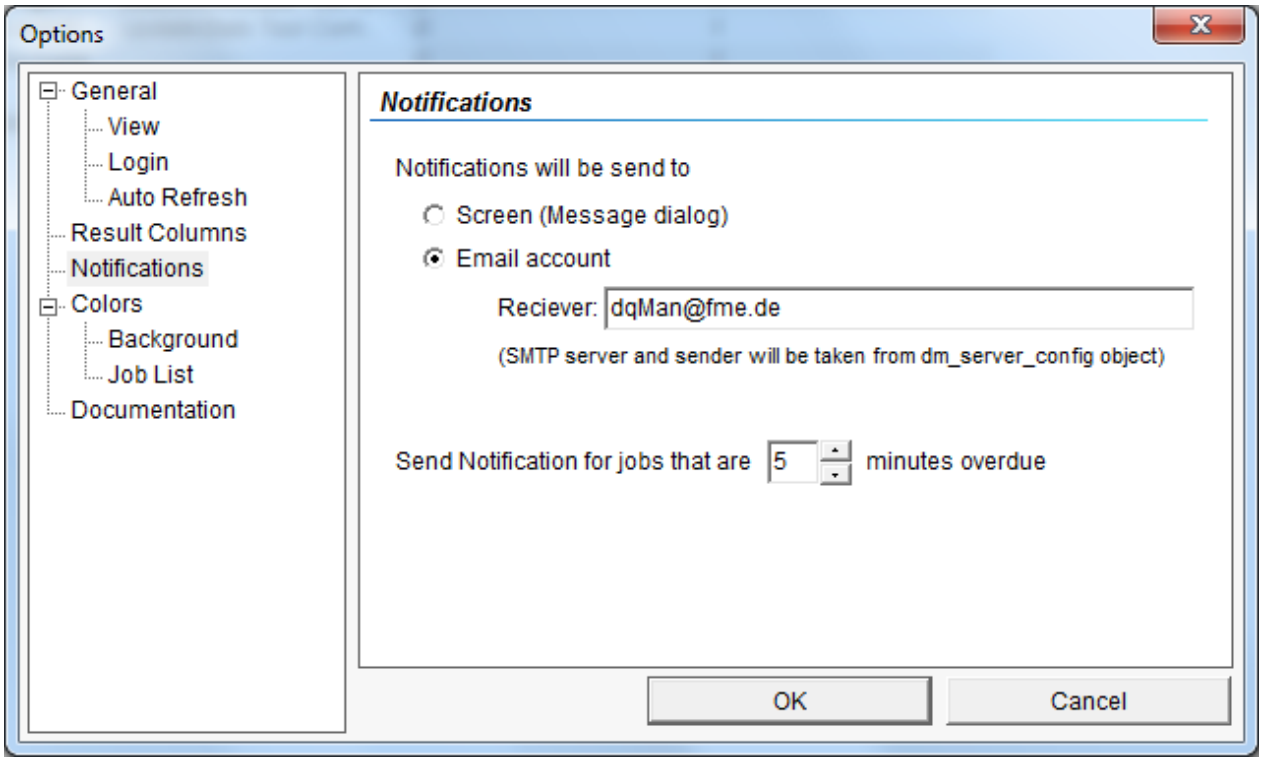


Figure 10 – Notifications

Notifications can either be displayed on the screen or can be sent to an email account. In this case, a target email address has to be provided. To send an email, the smtp server information from the current repository will be used as defined in the dm_server_config object.

The notification for Job is Overdue will be sent, if a job did not start according to his schedule. The tolerance in minutes can be adjusted.

5.4. Colors

5.4.1. Background

The background color for even lines in the job list can be set.

5.4.2. Job list

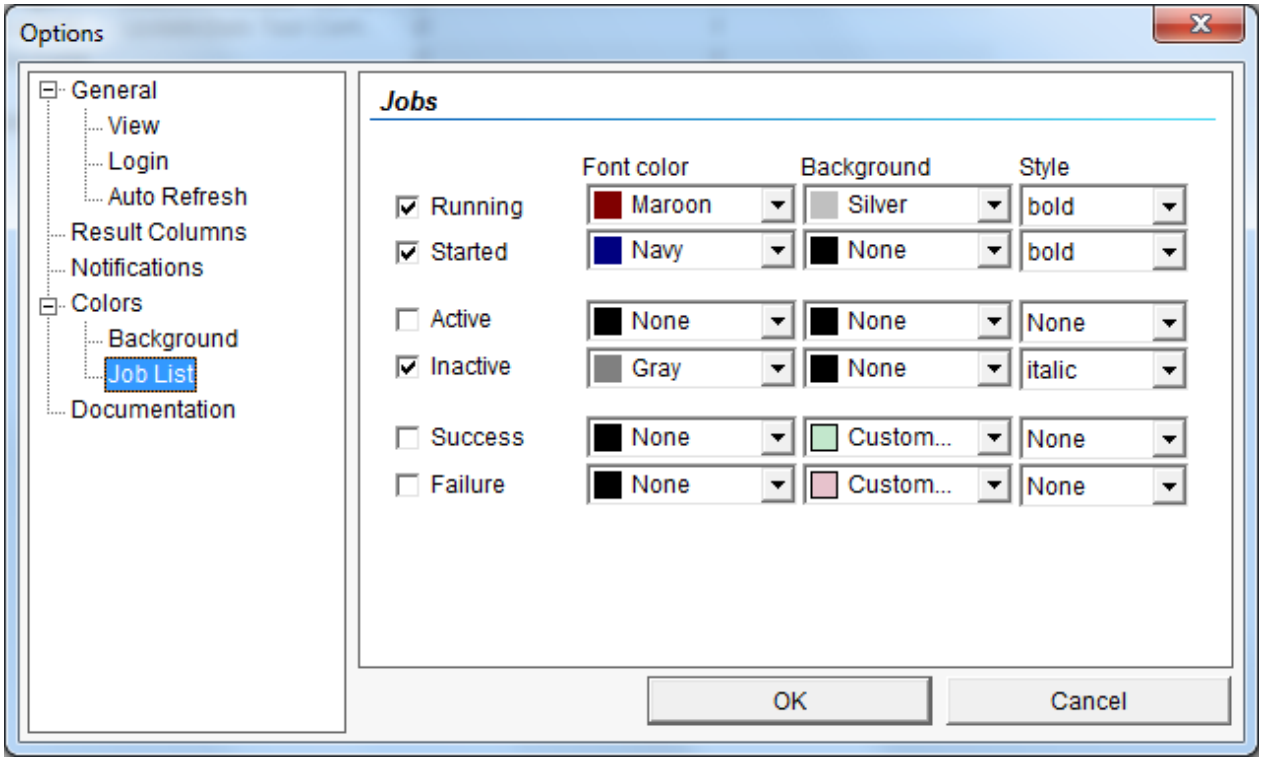


Figure 11 – Job List Colors

Jobs can be colored depending on their current status.

The settings are additive. If an inactive job is colored with a foreground color only, and a successful executed job with a certain background color only, an inactive successfully executed job will be colored with the appropriate color combination.

Otherwise, the priority in coloring is from top to bottom as displayed in the dialog.

If the checkbox is not activated, jobs will not be colored.

5.5. Documentation

To fill the *Documentation* menu of djMan, links to documents, URLs or program files can be defined in this category.

The function bar offers functions for managing the entries:

Add a document. If a URL or program file should be entered, it must be typed into the cell manually.

Delete the selected entry.

Add a menu separator.

Move selected entry upwards.

Move selected entry downwards.

The documentation settings can be inherited from the dqMan settings. In this case, documentations can only be edited in the dqMan application and will be synchronized immediately.